

Minutes of the September 27, 2006, Energy Commission Business Meeting.

The meeting was called to order at 10:02 a.m. by Vice Chairman James D. Boyd.

The Pledge of Allegiance was lead by Vice Chairman Boyd.

Present: Vice Chairman James D. Boyd

Commissioner Arthur H. Rosenfeld

Commissioner Jeffrey D. Byron

1. CONSENT CALENDAR.

- a. UNIVERSITY ENTERPRISES, INC. Possible approval of Amendment 7 to Contract 200-96-010 to change the name of the California State University, Sacramento Foundation to University Enterprises, Inc. Contact: Kyle Emigh.
- b. CALIFORNIA DEPARTMENT OF FISH AND GAME. Possible approval of Amendment 1 to Contract 500-03-017 with the Department of Fish and Game for a no-cost time extension of one year and reallocation of money and responsibilities within one task from the prime to the subcontractor. This contract is to develop biological indices to assess the effects of hydropower operation on freshwater ecosystems. Contact: Joe O'Hagan.
- c. WESTERN UNITED RESOURCE DEVELOPMENT. Possible approval of Amendment 3 to Contract 400-01-001 with Western United Resource Development for a no-cost time extension to December 31, 2008, and revision to the scope of work. Contact: Zhiqin Zhang.
- d. CENTER FOR ENERGY EFFICIENCY AND RENEWABLE TECHNOLOGIES. Possible approval of a no-cost amendment to Contract 500-05-005 with Center for Energy Efficiency and Renewable Technologies to update the Scope of Work to reflect recent agreements between San Diego Gas & Electric and the Imperial Valley Irrigation District regarding the Sunrise Power Link, as well as unanticipated California Public Utilities Commission proceedings and activity at the California Independent System Operator relevant to the scope of this contract. Contact: Clare Laufenberg.
- e. SAN DIEGO SMART GRID SUMMIT. Possible approval of a co-sponsorship of \$4,950 for the San Diego Smart Grid Summit, October 25-26, 2006. The Energy Policy Initiatives Center (EPIC) and the University of San Diego (USD) Law School, in cooperation with the U. S. Department of Energy, are hosting this event on the San Diego campus. Experts from around the country will come to San Diego to share their knowledge of smart grid technologies and challenges and provide ideas on how California can implement some of these new technologies. (2005 PIER electricity and 2004 TRP funding) Contact: Rachel MacDonald.
- f. NATURAL GAS VEHICLE CONFERENCE. Possible approval of a cosponsorship of \$4,950, staff time, travel expenses, and use of the Energy Commission's name for the 24th Annual Natural Gas Vehicle Conference in

Ontario, October 8-9, 2006. (ERPA funding) Contact: Jerry Wiens.

- g. SOUTHERN CALIFORNIA CLEAN VEHICLE TECHNOLOGY EXPO. Possible approval of a co-sponsorship of \$4,950 and use of the Energy Commission's name for the Southern California Clean Vehicle Technology Expo, October 10-11, 2006, in Ontario, California. (ERPA funding) Contact: Jim Folkman.
- h. BORDER ENERGY FORUM XIII. Possible approval of a co-sponsorship of \$3,000, staff time, travel expenses and use of the Energy Commission's name for the Border Energy Forum XIII annual conference October 19-20, 2006 in Tampico, Tamaulipas, Mexico. (ERPA funding.) Contact: Tim Olson.
- i. AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME). Possible approval of a co-sponsorship in the amount of up to \$4,999 for the American Society of Mechanical Engineers – Internal Combustion Engine Division (ICED) 2006 Fall Technical Conference to be held during November 6 -8, 2006, in Sacramento. (PIER electricity funding.) Contact: Avtar Bining.
- j. GOLDEN GATE UNIVERSITY LAW AND POLICY SYMPOSIUM. Possible approval of a co-sponsorship to use the Energy Commission's name to support a law and policy symposium being hosted by Golden Gate University School of Law on November 17, 2006. The symposium is entitled "Renewed Interest: The Renewable Energy Sector," and event targets utilities, regulators, members of industry, and renewable energy advocates and policymakers. The co-sponsorship will lend the Energy Commission's name in support of the event, but will provide no financial support. Contact: Gabe Herrera
- k. Possible approval of a co-sponsorship and use of the Energy Commission's name for the California Electricity and Air Quality Conference, October 3-4, 2006, in Sacramento. Other sponsors of this event are the California Air Resources Board, the South Coast Air Quality Management District, and the Bay Area Air Quality Management District. (PIER Electricity funding.) Contact: Marla Mueller.

Commissioner Byron moved and Commissioner Rosenfeld seconded approval of the Consent Calendar. The vote was unanimous. (3-0)

- 2. PERSONAL ENTERPRISES, INC. Possible approval of Purchase Order 03-05-70-1605b for \$115,200 with Personal Enterprise, Inc. for a Quality Assurance/Configuration Management Consultant to provide services for the Western Renewable Energy Generation Information System (WREGIS) project. The Quality Assurance/Configuration Management Consultant will ensure that the project products and processes conform to their specified requirements and adhere to their established plans. The Quality Assurance/Configuration Management Consultant will also ensure that all work products received or generated by the project are adequately documented, stored, and managed. (RRTF Funded.) Contact: Angela Gould (10 minutes)

Commissioner Rosenfeld moved and Commissioner Byron seconded approval of Purchase Order 03-05-70-1605b. The vote was unanimous. (3-0)

3. PROPROSE. Possible approval of Contract 400-06-006 with ProProse for \$110,000 to assist with the initial stages of developing an effective New Solar Homes Partnership Public Awareness Campaign that will meet the campaign goals. (RRTF/CE funding)
Contact: Rachel Salazar/Claudia Chandler. (10 minutes)

Commissioner Rosenfeld moved and Commissioner Byron seconded approval of Contract 400-06-006. The vote was unanimous. (3-0)

4. CITY OF SAN DIEGO. Possible approval of a \$2,226,689 loan to the City of San Diego to upgrade the lighting and mechanical systems at multiple city owned facilities to more energy efficient systems. The city will also install a total of 150 kW photovoltaic systems at five separate buildings. This project is estimated to save the city approximately 1,829,885 kWh, 329 kW, 1045 therms, or a total of \$262,201 annually in reduced energy costs. This project has a simple payback of 8.5 years. (ECAA and/or Bond Funded).
Contact: Adel Suleiman (10 minutes)

Commissioner Rosenfeld moved and Commissioner Byron seconded approval of the loan to the City of San Diego. The vote was unanimous. (3-0)

5. REFLECTIVE ENERGIES. Possible approval of Amendment 1 to Contract 500-03-012 with Reflective Energies to add \$225,000 and extend the term of the contract two years to resolve Rule 21 distributed generation interconnections technical issues, continue certifications of distributed generation equipment interconnection, and manage the meetings of the Rule 21 Working Group. (2005/06 PIER electricity funding) Contact: Jose Palomo. (10 minutes)

Commissioner Rosenfeld moved and Commissioner Byron seconded approval of Amendment 1 to Contract 500-03-012. The vote was unanimous. (3-0)

6. TRUSTEES OF THE CALIFORNIA STATE UNIVERSITY. Possible approval of 10 grant applications, totaling \$949,217, in response to the Energy Innovations Small Grant Program Solicitation Cycle 05-03. (PIER funded) Contact Dave Michel.
 - a. 05-03-02: APPA Renewable Energy Systems, Inc., *Passively Pitchable Smart Blades for Improving Efficiency of Small Wind Turbines*, \$95,000.
 - b. 05-03-55: Clarkson University, *Use of Plasma Actuators to Increase Wind Energy Extraction*, \$95,000.
 - c. 05-03-39: University of California, Davis, *Nanoparticle-Based Catalysts for Solar Hydrogen Generation*, \$95,000.
 - d. 05-03-23: Purdue University, *Increasing the Energy Efficiency of Vapor Compression System by Using "Smart" and Cost-Effective Compressors*, \$95,000.

- e. 05-03-08: Greenvolts, Inc., *Economical Two-Axis Carousel Tracker for Concentrated PV Power Plants*, \$94,958.
- f. 05-03-58: Primus Power, *Prototype Energy Cell*, \$95,000.
- g. 05-03-25: Nanotron, *Low-Cost Laser Process for Facilitating Multi-Junction Solar Cells*, \$95,000.
- h. 5-03-63: Steven Winters Associates, *A Building Integrated Damper to Improve Comfort with Evaporative Cooling*, \$94,896.
- i. 05-03-17: University of California, Davis, Institute of Transportation Studies, *Hydrogen Enrichment of Landfill Gas for Enhanced Combustion*, \$95,000.
- j. 05-03-22: Santa Clara University, *Phase Change Material (PCM) Solar Thermal Storage System*, \$94,363.

Commissioner Rosenfeld moved and Commissioner Byron seconded approval of the ten grant applications. The vote was unanimous. (3-0)

7. HUNTINGTON BEACH GENERATING STATION RETOOL PROJECT (DOCKET NO. 00-AFC-13C).

- a. Possible decision on the amount and final application of compensation funds to mitigate for impingement and entrainment losses resulting from the operation of the cooling water system for Units 3 and 4. Commission staff recommends the restoration and maintenance of 104 acres of the Huntington Beach Wetlands for approximately \$7.9 million. (Condition of Certification BIO-5.) Contact: Donna Stone. (1 hour)

Commissioner Byron moved and Commissioner Rosenfeld seconded approval of Commission staff's recommendation as described in their letter of September 26, 2006, Profile 3, and the payment schedule discussed today, to fulfill Condition of Certification BIO-5. The vote was unanimous. (3-0)

- b. Possible approval of a request by AES for the Energy Commission to find the Huntington Beach Generating Station Retool Project (450 MW) in substantial compliance with the Commission's conditions of certification and required permits. Approval of the request will allow the project to continue operation through September 30, 2011. (Condition of Certification Emergency 2.) Contact: Donna Stone. (15 minutes)

Commissioner Byron moved and Commissioner Rosenfeld seconded approval of the request to find the Huntington Beach Generating Station Retool Project in substantial compliance with the Commission's conditions of certification and required permits. The vote was unanimous. (3-0)

8. **Minutes**

Approval of the September 14, 2006, Business Meeting Minutes.

Approval of the September 14, 2006, Business Meeting Minutes was continued to the next regular Business Meeting as there was not a quorum of Commissioners who were present at the September 14 meeting.

9. **Commission Committee Presentations/Discussion** – *None*
10. **Chief Counsel's Report** - *None*
11. **Executive Director's Report** - *None*
12. **Legislative Director's Report** - *None*
13. **Public Adviser's Report** - *None*
14. **Public Comment** – *None*

Appearances:

Mr. Eric Pendergraft, HBGS, LLC

Mr. Rick Rothman, Bingham McCutchen, LLP

Mr. Gary Gorman, Huntington Beach Wetlands Conservancy

Respectfully submitted

HARRIET KALLEMEYN
Secretariat